



WASHINGTON STATE HIV SURVEILLANCE QUARTERLY REPORT 1st QUARTER 2011

Office of Infectious Disease Assessment Unit (360) 236-3455 www.doh.wa.gov/cfh/hiv/

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Publication Schedule: This report reflects events occurring through December 31, 2010 and reported by March 31, 2011, unless otherwise stated. Reports are published four times a year.

HIV IN WASHINGTON: AN OVERVIEW

- In Washington state, the first case of AIDS was diagnosed in 1982.
- More than 18,000 people in Washington have been diagnosed with HIV disease.
- Recently, the number of new HIV cases in Washington has been about the same each year. Between 2006 and 2010, new HIV cases averaged 560 per year.
- Treatment for HIV disease is both effective and widely available. Most people with HIV survive long after diagnosis.
- Nearly 11,000 people in Washington have been diagnosed and are reported to be living with HIV disease. This number increases about 5 percent each year. About one in six people with HIV has not been diagnosed.

Figure 1. Average HIV Rates by County, 2006-2010

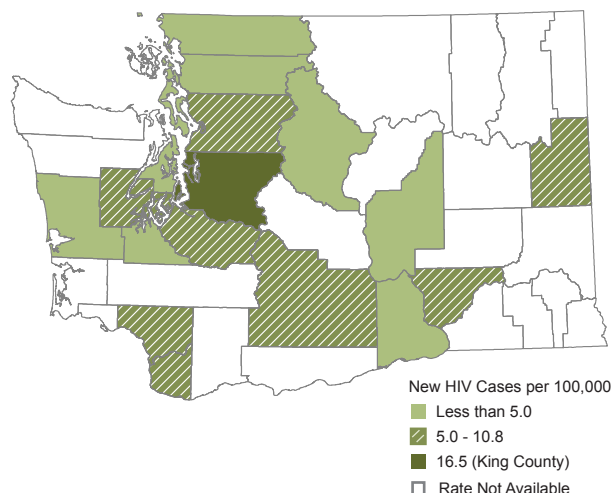


Figure 2. New HIV Cases, AIDS Cases, and Deaths from HIV or AIDS, 2001-2010

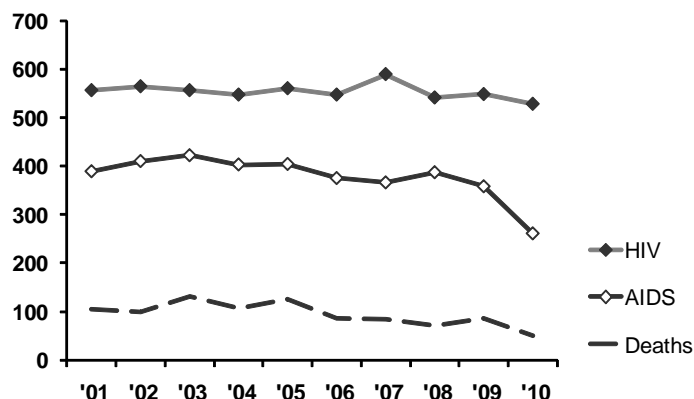
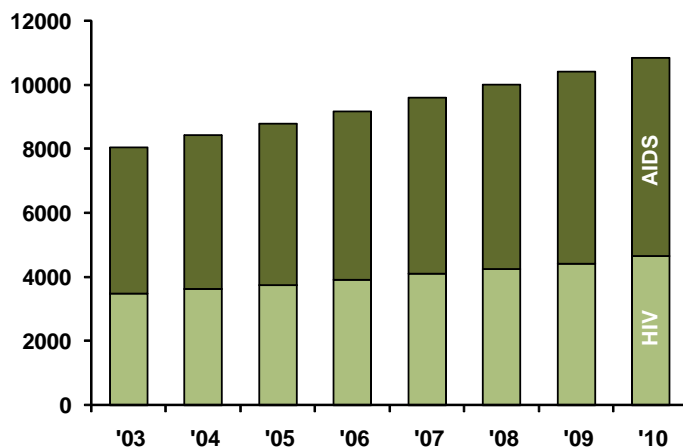


Figure 3. Living Cases of HIV Disease, 2003-2010



ACKNOWLEDGEMENTS AND CONTACT INFORMATION

Our thanks to the health providers who care for people with HIV/AIDS, to our local health jurisdiction partners, and to the medical laboratories - all of whom work diligently to ensure the timely and complete reporting of cases. These data are used to support the allocation of HIV prevention and care resources, to conduct program planning and evaluation, and to educate the public about the HIV epidemic in Washington.

For more information, or to receive a copy of this report, please contact:

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DEVELOPMENTS

The NEW Quarterly Report: What's Different?

For the first time in three years, we have revised the Washington State HIV Surveillance Quarterly Report. The new Quarterly largely resembles the previous version in appearance and organization, yet is longer and contains substantially more information. Beyond expanding the report, we have tried to simplify the language we use to describe HIV-related events and concepts. Our hope is that these changes will result in a report that is more informative and easier to read. Here is a list of the major changes.

Terminology - As much as possible, we have tried to avoid the use of technical jargon. For example, the term "prevalent cases" has been changed to "living cases." Also, "new HIV cases" has replaced "new HIV diagnoses." If the meaning of a word is unclear, check out the revised **Definitions** section on page 4.

Time Frame - We have reduced the time it takes to find out about recent HIV-related events. For example, this issue of the Quarterly contains information about HIV cases diagnosed in 2010. Previously, these data would not have been published until 2012.

Race and Hispanic Ethnicity - This report provides more detail about the (self-reported) race of Hispanic or Latino cases, when available. We have also separated Asians from individuals who are Native Hawaiian or Other Pacific Islander (NHOPI).

Foreign-Born Status - Over the past decade, there have been an increasing number of new HIV cases among people born outside the United States. Foreign-born HIV cases often appear different than native-born cases,

and may require a different mix of HIV-related services. For this reason, we developed Table 2 (page 6), which compares recently-diagnosed native and foreign-born HIV cases across the state.

HIV Exposure - Some HIV exposure categories are gender-specific. For example, the category *men who have sex with men* contains only male cases. To make comparing risk behaviors easier, we have separated male and female cases in most tables.

Geography - In keeping with Engrossed House Bill 2360, all references to AIDSNet regions have been removed. Instead, this report contains more county-level data, including aggregate data for local health districts containing more than one county.

Laboratory Results - Perhaps the biggest changes to the Quarterly come in the form of laboratory information. Tables 4 and 5 (pages 8 and 9, respectively) contain CD4 test results among new HIV cases diagnosed in the last five years. A patient with a higher CD4 count has generally been infected for a shorter period of time. CD4 data allow us to compare the stage of HIV illness among new HIV cases, and provide clues as to where the delivery of HIV testing services could be improved.

Tables 9 and 10 (pages 13 and 14, respectively) are devoted to viral load test results among living HIV cases. A lower or "undetectable" viral load indicates that a patient is receiving adequate HIV care. Viral load data help us to compare the quality of HIV care people are receiving, and determine where treatment barriers exist.

We are always eager to receive feedback about our HIV data products. If you have questions or comments about the new Quarterly, please drop us a line! Contact Jason Carr at (360) 236-3462, or email jason.carr@doh.wa.gov.

HOW HIV SURVEILLANCE WORKS IN WASHINGTON STATE

Health care providers, laboratories and local health departments are required by law to report HIV- and AIDS-related information according to the requirements listed below. Identifying and reporting new HIV cases helps state and local health departments develop programs that reduce the spread of HIV. Case reporting also helps assure that people living with HIV receive treatment as early as possible, and that partners who have been exposed to the virus receive HIV testing. Federal funding for HIV prevention and treatment is based on case counts. Our state benefits the most when HIV surveillance is complete, accurate and timely. Copies of the case report form can be found at the Department of Health website: <http://www.doh.wa.gov/notify/forms/>.

For federal funding purposes, all states and territories count HIV/AIDS cases in the same manner. An individual gets counted as an HIV case in the county in which he/she is residing at the time of his/her initial HIV diagnosis (not including a diagnosis made from an anonymous test). Once that person progresses to AIDS, he/she is counted as an AIDS case in the county

in which he/she is residing at the time of his/her AIDS diagnosis. An AIDS case is no longer counted as an HIV case. States are continually working with each other to ensure that cases are counted in only one state. Once a person is diagnosed with AIDS, he/she remains an AIDS case even if his/her health later improves. Within Washington State, county-level case counts can go down if we learn that a person's earliest diagnosis of HIV or AIDS actually occurred while he/she resided in another state or county. Also, a county's HIV case count can go down over time if their HIV cases progress to AIDS while residing outside the county.

For epidemiologic purposes, it is helpful to evaluate all cases of HIV and AIDS as part of one combined group: people who have been diagnosed with HIV disease. For this report, geographic assignment of a new HIV case is based on residence at the time of a person's initial HIV diagnosis, regardless of whether he/she later progressed to AIDS. Living cases are presumed to be in the same place they resided when their most recent diagnosis of HIV or AIDS occurred.

HIV/AIDS Reporting Requirements:

REPORTING	ITEM TO REPORT	TIMELINE	TO WHOM
Health care providers	HIV or AIDS diagnosis	3 working days	Local health department
Health care facilities	HIV or AIDS diagnosis	3 working days	HIV to local health department AIDS to state health department
Laboratories	Any test result that indicates HIV infection (including a positive Western blot)	2 working days	Inside King Co.: Public Health-Seattle & King Co. (PHSKC) Outside King Co.: State health department
Laboratories	All CD4 results (absolute and %); all HIV viral load results	Monthly	Inside King Co.: PHSKC Outside King Co.: State health department
Local health departments	HIV and AIDS	Within 7 days of completion or 21 days of notification	State health department

DEFINITIONS

AIDS: Acquired Immune Deficiency Syndrome. A condition defined the existence of one or more of a broad range of opportunistic illnesses and/or other clinical outcomes caused by HIV disease. The presence of AIDS is usually an indication that an individual has been HIV-positive for a long time.

Case: A person with HIV disease who has been diagnosed and reported to the health department while living in Washington state. This report does not describe the results of anonymous HIV testing.

Case Rate: The number of reported cases divided by the number of people residing in a given area and presumed to be at risk for disease, based on population estimates. In this report, rates are described as cases per 100,000 residents.

CD4 Count: The concentration of a certain type of white blood cell circulating within a person's body. A good indication of a patient's stage of HIV illness.

Confidence Interval (CI): A range of values within which the true value is likely to exist. In this report, we use 95% confidence intervals to describe the reliability of disease rates.

Cumulative HIV Cases: The total number of cases reported as of a point in time. Cumulative cases include people who are both living and deceased.

Exposure Category: The manner in which a case was most likely to have been infected by HIV, based on reported risk behaviors. Categories are arranged in a hierarchy. A case can only be assigned to one exposure category at any give time.

Foreign-born: Born outside the United States. If information about country of birth is missing, a case is presumed to be foreign-born.

Gender: The sex of an individual (male or female) at birth.

HIV: Human Immunodeficiency Virus. The virus that causes HIV disease and AIDS.

HIV/AIDS Deaths: Deaths caused by HIV or AIDS. We use death certificate information to determine whether HIV or AIDS was a contributing factor in a patient's death.

HIV Diagnosis Date: The earliest, documented date when a person was diagnosed with HIV disease, with or without AIDS.

HIV Incidence: The number of people newly infected with HIV during a specified time period, often a year. We can only estimate HIV incidence. This report does not include estimates of HIV incidence.

HIV Prevalence: The total number of people living with HIV disease at a specific point in time. We can only estimate HIV prevalence. This report does not include estimates of HIV prevalence.

HIV Surveillance: The ongoing and systematic collection, evaluation, and dissemination of population-based information about people diagnosed with HIV disease.

Late HIV Diagnosis: Diagnosis of AIDS within 12 months of the HIV diagnosis date. Indicates that the individual was detected late in the course of his or her HIV illness, and was probably not getting routinely tested for HIV before the diagnosis occurred.

Living HIV Case: A case of HIV disease that has been diagnosed and reported to the health department, and that is presumed to living at a specific point in time. A living HIV case can also be described as a prevalent HIV case.

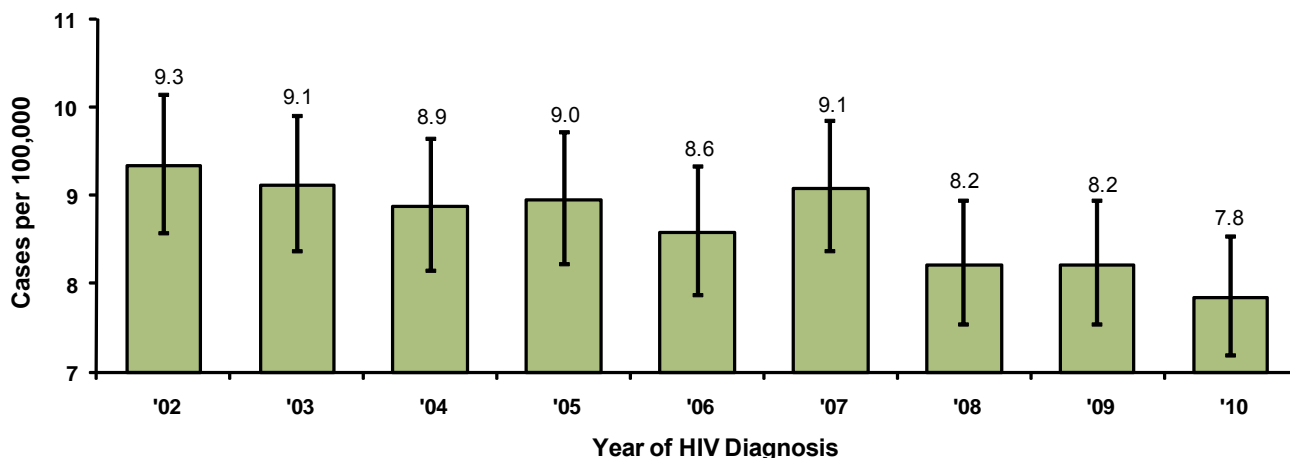
New HIV Case: A newly diagnosed case of HIV disease, with or without AIDS.

Reporting Delay: Time between when a case is diagnosed and when the case is reported to the health department. In Washington, most cases are reported within 6 months.

Viral Load: The concentration of viral copies circulating within a person's body. A good indication of whether someone is receiving effective treatment for HIV disease.

STATISTICS: NEW HIV CASES

Figure 4. New HIV Case Rates by Year of HIV Diagnosis, 2002-2010



STATISTICS: NEW HIV CASES (continued)

Table 1. New HIV Cases

Year of HIV diagnosis:	Newly Diagnosed Cases of HIV Disease								Late HIV Diagnoses	
	2005 No.	2006 No.	2007 No.	2008 No.	2009 No.	2010 No.	2006-2010 No. %		Rate	2005-2009 %
Total	560	547	589	541	548	528	2,753	100%	8.4	34%
Gender										
Male	480	464	491	446	459	459	2,319	84%	14.2	35%
Female	80	83	98	95	89	69	434	16%	2.6	29%
Age at HIV Diagnosis										
< 20	7	12	21	17	22	19	91	3%	1.0	15%
20 - 29	119	140	156	145	141	147	729	26%	15.6	18%
30 - 39	201	175	169	163	156	162	825	30%	18.7	36%
40 - 49	166	146	149	126	141	120	682	25%	14.1	41%
50 - 59	54	59	69	59	67	64	318	12%	7.0	51%
60+	13	15	25	31	21	16	108	4%	1.9	53%
Race and Hispanic Origin										
White	339	351	351	292	322	307	1,623	59%	6.5	30%
Black	105	85	110	101	92	77	465	17%	42.1	40%
Hispanic (all races)	74	64	88	95	85	95	427	16%	14.0	40%
Asian	21	25	22	29	25	25	126	5%	6.0	51%
Native Hawaiian / Pacific Islander	3	5	3	0	3	1	12	0%	8.2	---
American Indian / Alaska Native	9	6	6	12	7	8	39	1%	8.1	45%
Multiple Race	9	11	9	12	14	15	61	2%	6.7	25%
Hispanic only:										
- White	38	33	42	32	29	23	159	6%	5.8	42%
- Black	10	2	1	3	2	0	8	0%	---	0%
- Multiple / Other Race	2	4	4	0	3	4	15	1%	---	---
- Unknown Race	24	25	41	60	51	68	245	9%	---	39%
Exposure Category by Gender										
Male only:										
- Male / Male Sex (MSM)	298	313	334	296	319	332	1,594	58%	---	30%
- Injecting Drug Use (IDU)	32	21	21	15	17	20	94	3%	---	48%
- MSM and IDU	55	43	47	31	41	21	183	7%	---	27%
- Heterosexual Contact	32	19	12	20	12	16	79	3%	---	62%
- Pediatric	0	3	0	1	2	6	12	0%	---	---
- Transfusion / Hemophiliac	2	0	0	0	0	0	0	0%	---	---
- No Identified Risk	61	65	77	83	68	64	357	13%	---	55%
Female only:										
- Injecting Drug Use	9	18	12	9	7	8	54	2%	---	---
- Heterosexual Contact	60	54	70	66	64	46	300	11%	---	33%
- Pediatric	0	0	2	1	7	3	13	0%	---	---
- Transfusion / Hemophiliac	0	0	1	1	0	0	2	0%	---	---
- No Identified Risk	11	11	13	18	11	12	65	2%	---	20%

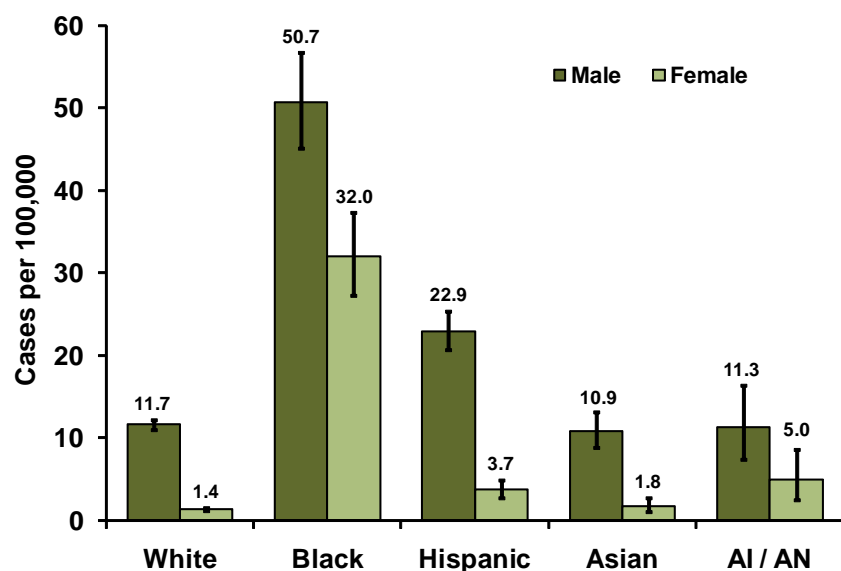
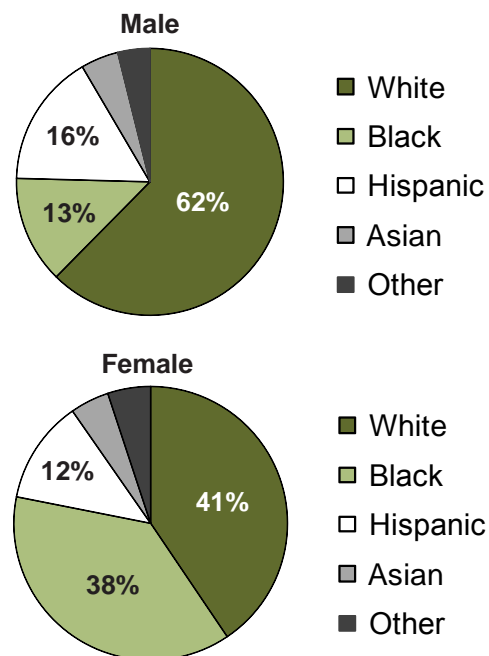
All HIV/AIDS surveillance data reported to the Washington State Department of Health as of March 31, 2011.

STATISTICS: NEW HIV CASES (continued)

Table 2. New HIV Cases by Foreign-Born Status and Other Select Characteristics, 2006-2010

	Proportion with Select Characteristic at HIV Diagnosis						Total	
	Male	Age > 30 years	MSM	Hetero-sexual	Late HIV Diagnosis	Live in King Co.		
	%	%	%	%	%	%	No.	%
U.S.-Born								
White	89%	73%	77%	8%	30%	57%	1,460	74%
Black	77%	62%	52%	23%	31%	57%	252	13%
Hispanic (all races)	86%	56%	68%	11%	34%	53%	131	7%
Asian	86%	71%	81%	5%	43%	76%	21	1%
Native Hawaiian / Pacific Islander	100%	5%	100%	0%	29%	57%	7	0%
American Indian / Alaska Native	70%	65%	43%	35%	43%	24%	37	2%
Multiple Race	87%	42%	77%	11%	19%	60%	53	3%
Total	87%	42%	64%	11%	30%	56%	1,961	
Foreign-Born								
White	87%	75%	63%	8%	29%	51%	163	21%
Black	51%	71%	11%	42%	45%	65%	213	27%
Hispanic (all races)	88%	72%	54%	15%	43%	52%	296	37%
Asian	84%	75%	56%	12%	49%	67%	105	13%
Native Hawaiian / Pacific Islander	80%	60%	60%	20%	80%	40%	5	1%
American Indian / Alaska Native	50%	0%	0%	50%	0%	50%	2	0%
Multiple Race	75%	75%	50%	25%	63%	75%	8	1%
Total	77%	32%	44%	21%	42%	57%	792	

All HIV/AIDS surveillance data reported to the Washington State Department of Health as of March 31, 2011.

Figure 5. New HIV Case Rates by Race/Ethnicity and Gender, Washington State, 2006-2010**Figure 6. New HIV Cases by Gender and Race/Ethnicity, 2006-2010**

STATISTICS: NEW HIV CASES (continued)

Table 3. New HIV Cases by County and Combined Local Health District (HD)

Year of HIV diagnosis:	Newly Diagnosed Cases of HIV Disease								Cumulative Diagnoses		Late HIV Diagnoses	
	2005	2006	2007	2008	2009	2010	2006-2010		1982-2010		2005-2009	
	No.	No.	No.	No.	No.	No.	No.	%	Rate	No.	%	%
Adams Co.	0	0	0	0	1	0	1	0%	---	7	0%	---
Asotin Co.	1	1	0	1	2	2	6	0%	---	25	0%	---
Benton Co.	2	9	5	1	6	8	29	1%	3.5	130	1%	---
Benton-Franklin HD	8	11	8	6	12	13	50	2%	4.2	217	1%	40%
Chelan Co.	5	4	3	1	3	5	16	1%	4.5	74	0%	---
Chelan-Douglas HD	5	4	5	1	4	7	21	1%	3.9	83	0%	63%
Clallam Co.	4	1	1	2	3	1	8	0%	---	80	0%	---
Clark Co.	26	20	42	18	20	29	129	5%	6.1	701	4%	34%
Columbia Co.	0	0	2	0	0	0	2	0%	---	6	0%	---
Cowlitz Co.	2	6	5	5	4	5	25	1%	5.1	150	1%	---
Douglas Co.	0	0	2	0	1	2	5	0%	---	9	0%	---
Ferry Co.	0	0	1	0	0	0	1	0%	---	8	0%	---
Franklin Co.	6	2	3	5	6	5	21	1%	6.0	87	0%	---
Garfield Co.	0	0	0	0	0	0	0	0%	---	1	0%	---
Grant Co.	1	3	3	3	1	3	13	0%	3.1	53	0%	---
Grays Harbor Co.	6	2	2	6	0	5	15	1%	4.2	92	1%	---
Island Co.	0	2	2	3	8	2	17	1%	4.3	89	0%	---
Jefferson Co.	0	3	1	0	0	0	4	0%	---	37	0%	---
King Co.	317	306	317	314	307	311	1,555	56%	16.5	11,478	63%	32%
Kitsap Co.	9	13	7	7	10	1	38	1%	3.1	316	2%	43%
Kittitas Co.	3	3	0	0	0	0	3	0%	---	25	0%	---
Klickitat Co.	0	2	1	0	0	0	3	0%	---	16	0%	---
Lewis Co.	0	4	1	2	4	0	11	0%	---	61	0%	---
Lincoln Co.	0	0	0	0	0	0	0	0%	---	4	0%	---
Mason Co.	4	1	7	8	3	11	30	1%	10.8	123	1%	---
NE Tri-County HD	1	2	1	1	1	2	7	0%	---	47	0%	---
Okanogan Co.	0	0	1	3	3	0	7	0%	---	40	0%	---
Pacific Co.	3	3	2	1	1	0	7	0%	---	33	0%	---
Pend Oreille Co.	0	1	0	0	0	2	3	0%	---	11	0%	---
Pierce Co.	59	59	61	58	62	61	301	11%	7.5	1,655	9%	26%
San Juan Co.	0	1	1	0	1	2	5	0%	---	29	0%	---
Skagit Co.	6	5	3	4	1	5	18	1%	3.1	101	1%	68%
Skamania Co.	0	0	0	0	1	0	1	0%	---	9	0%	---
Snohomish Co.	53	45	43	36	42	30	196	7%	5.6	1,060	6%	44%
Spokane Co.	22	24	36	26	18	16	120	4%	5.2	750	4%	38%
Stevens Co.	1	1	0	1	1	0	3	0%	---	28	0%	---
Thurston Co.	10	9	15	9	12	12	57	2%	4.7	294	2%	38%
Wahkiakum Co.	0	0	0	0	0	0	0	0%	---	3	0%	---
Walla Walla Co.	1	1	0	3	1	0	5	0%	---	66	0%	---
Whatcom Co.	7	8	10	10	8	2	38	1%	4.0	238	1%	30%
Whitman Co.	2	1	0	2	1	0	4	0%	---	21	0%	---
Yakima Co.	10	7	12	12	17	8	56	2%	4.7	272	1%	43%
Statewide Total	560	547	589	541	548	528	2,753	100%	8.4	18,182	100%	34%

All HIV/AIDS surveillance data reported to the Washington State Department of Health as of March 31, 2011.

Note: Percentages (%) are rounded to the nearest whole number. Actual values may be less than they appear (e.g. 0.7% = "1%").

STATISTICS: NEW HIV CASES (continued)

Table 4. First CD4 Test Results among New HIV Cases, 2006-2010

CD4 count, cells/ μ L:	Stage of Infection at HIV Diagnosis (among cases with CD4 information)				Median CD4 Count cells/ μ L	Cases with CD4 Information		Total Cases No.
	≥ 500	350-499	200-349	< 200		No.	% of total	
	%	%	%	%				
Total	30%	18%	19%	33%	338	2,139	78%	2,753
Gender								
Male	29%	18%	19%	33%	331	1,805	78%	2,319
Female	35%	20%	15%	29%	379	334	77%	434
Age at HIV Diagnosis								
< 20	45%	23%	13%	19%	428	53	58%	91
20 - 29	39%	24%	21%	16%	420	541	74%	729
30 - 39	29%	19%	18%	33%	333	662	80%	825
40 - 49	26%	15%	19%	40%	277	539	79%	682
50 - 59	22%	12%	15%	51%	198	255	80%	318
60+	21%	12%	18%	48%	223	89	82%	108
Race and Hispanic Origin								
White	35%	19%	17%	29%	379	1,256	77%	1,623
Black	25%	19%	21%	35%	290	359	77%	465
Hispanic (all races)	22%	17%	19%	42%	272	337	79%	427
Asian	15%	18%	23%	44%	234	109	87%	126
Native Hawaiian / Pacific Islander	20%	20%	20%	40%	300	10	83%	12
American Indian / Alaska Native	30%	7%	20%	43%	267	30	77%	39
Multiple Race	37%	18%	26%	18%	379	38	62%	61
Hispanic only:								
- White	26%	9%	20%	45%	230	120	75%	159
- Black	33%	0%	17%	50%	211	6	75%	8
- Multiple / Other Race	20%	50%	0%	30%	419	10	67%	15
- Unknown Race	19%	20%	20%	41%	285	201	82%	245
Exposure Category by Gender								
Male only:								
- Male / Male Sex (MSM)	33%	20%	19%	27%	375	1,260	79%	1,594
- Injecting Drug Use (IDU)	19%	16%	19%	47%	219	70	74%	94
- MSM and IDU	37%	17%	20%	26%	395	139	76%	183
- Heterosexual Contact	13%	9%	21%	57%	164	67	85%	79
- Pediatric	50%	0%	50%	0%	407	2	17%	12
- Transfusion / Hemophiliac	---	---	---	---	---	0	---	0
- No Identified Risk	13%	12%	18%	58%	144	267	75%	357
Female only:								
- Injecting Drug Use	39%	32%	11%	18%	471	38	70%	54
- Heterosexual Contact	32%	18%	18%	31%	352	244	81%	300
- Pediatric	80%	0%	0%	20%	801	5	38%	13
- Transfusion / Hemophiliac	100%	0%	0%	0%	729	1	50%	2
- No Identified Risk	39%	24%	4%	33%	409	46	71%	65

All HIV/AIDS surveillance data reported to the Washington State Department of Health as of March 31, 2011.

STATISTICS: NEW HIV CASES (continued)

Table 5. First CD4 Test Results among New HIV Cases, by County and Combined Local Health District (HD), 2006-2010

CD4 count, cells/ μ L:	Stage of Infection at HIV Diagnosis (among cases with CD4 information)				Median CD4 Count cells/ μ L	Cases with CD4 Information		Total Cases No.
	≥ 500	350-499	200-349	< 200		No.	% of total	
	%	%	%	%				
Adams Co.	0%	0%	0%	100%	9	1	100%	1
Asotin Co.	17%	0%	33%	50%	254	6	100%	6
Benton Co.	29%	13%	13%	46%	307	24	83%	29
Benton-Franklin HD	25%	20%	13%	43%	307	40	80%	50
Chelan Co.	31%	15%	15%	38%	315	13	81%	16
Chelan-Douglas HD	28%	17%	17%	39%	285	18	86%	21
Clallam Co.	0%	50%	0%	50%	239	4	50%	8
Clark Co.	20%	20%	13%	47%	226	75	58%	129
Columbia Co.	0%	50%	0%	50%	227	2	100%	2
Cowlitz Co.	9%	0%	45%	45%	209	11	44%	25
Douglas Co.	20%	20%	20%	40%	254	5	100%	5
Ferry Co.	0%	0%	100%	0%	335	1	100%	1
Franklin Co.	19%	31%	13%	38%	310	16	76%	21
Garfield Co.	---	---	---	---	---	0	---	0
Grant Co.	20%	30%	0%	50%	266	10	77%	13
Grays Harbor Co.	27%	9%	0%	64%	129	11	73%	15
Island Co.	36%	18%	0%	45%	388	11	65%	17
Jefferson Co.	0%	67%	33%	0%	457	3	75%	4
King Co.	32%	21%	20%	27%	369	1,293	83%	1,555
Kitsap Co.	16%	22%	19%	44%	256	32	84%	38
Kittitas Co.	0%	0%	33%	67%	185	3	100%	3
Klickitat Co.	100%	0%	0%	0%	801	1	33%	3
Lewis Co.	40%	10%	10%	40%	412	10	91%	11
Lincoln Co.	---	---	---	---	---	0	---	0
Mason Co.	32%	5%	18%	45%	262	22	73%	30
NE Tri-County HD	0%	17%	33%	50%	163	6	86%	7
Okanogan Co.	20%	0%	0%	80%	20	5	71%	7
Pacific Co.	33%	0%	33%	33%	289	3	43%	7
Pend Oreille Co.	0%	33%	0%	67%	70	3	100%	3
Pierce Co.	31%	18%	20%	31%	330	193	64%	301
San Juan Co.	25%	0%	0%	75%	100	4	80%	5
Skagit Co.	18%	12%	12%	59%	117	17	94%	18
Skamania Co.	0%	0%	100%	0%	315	1	100%	1
Snohomish Co.	26%	15%	16%	43%	241	149	76%	196
Spokane Co.	34%	14%	14%	38%	322	85	71%	120
Stevens Co.	0%	0%	50%	50%	140	2	67%	3
Thurston Co.	38%	9%	16%	38%	308	45	79%	57
Wahkiakum Co.	---	---	---	---	---	0	---	0
Walla Walla Co.	25%	25%	0%	50%	260	4	80%	5
Whatcom Co.	32%	8%	20%	40%	235	25	66%	38
Whitman Co.	25%	0%	0%	75%	119	4	100%	4
Yakima Co.	13%	9%	20%	58%	166	45	80%	56
Statwide Total	30%	18%	19%	33%	338	2,139	78%	2,753

All HIV/AIDS surveillance data reported to the Washington State Department of Health as of March 31, 2011.

STATISTICS: PEOPLE LIVING WITH HIV

Table 6. People Living with HIV Disease as of December 31, 2010

	HIV (not AIDS)			AIDS			All Cases of HIV Disease		
	No.	%	Rate	No.	%	Rate	No.	%	Rate
Total	4,658	100%	69.2	6,183	100%	91.8	10,841	100%	161.0
Gender									
Male	3,938	85%	117.3	5,396	87%	160.7	9,334	86%	278.0
Female	720	15%	21.3	787	13%	23.3	1,507	14%	44.6
Current age									
< 20	62	1%	3.5	15	0%	0.8	77	1%	4.3
20 - 29	565	12%	58.4	205	3%	21.2	770	7%	79.6
30 - 39	1,092	23%	123.6	921	15%	104.2	2,013	19%	227.8
40 - 49	1,705	37%	177.7	2,461	40%	256.5	4,166	38%	434.3
50 - 59	931	20%	98.2	1,898	31%	200.3	2,829	26%	298.5
60+	303	7%	25.3	683	11%	56.9	986	9%	82.2
Race and Hispanic Origin*									
White	3,216	69%	63.8	4,144	67%	82.3	7,360	68%	146.1
Black	698	15%	300.3	936	15%	402.7	1,634	15%	703.0
Hispanic (all races)	473	10%	69.1	721	12%	105.4	1,194	11%	174.6
Asian	140	3%	30.8	175	3%	38.5	315	3%	69.3
Native Hawaiian / Pacific Islander	10	0%	---	28	0%	89.1	38	0%	120.9
American Indian / Alaska Native	60	1%	58.6	106	2%	103.5	166	2%	162.0
Multiple Race	53	1%	27.7	66	1%	34.5	119	1%	62.1
Hispanic only:									
- White	135	3%	22.3	134	2%	22.1	269	2%	44.3
- Black	11	0%	---	13	0%	72.2	24	0%	133.3
- Multiple / Other Race	15	0%	---	8	0%	---	23	0%	---
- Unknown Race	312	7%	---	566	9%	---	878	8%	---
Exposure Category by Gender									
Male only:									
- Male / Male Sex (MSM)	3,001	64%	---	3,718	60%	---	6,719	62%	---
- Injecting Drug Use (IDU)	165	4%	---	359	6%	---	524	5%	---
- MSM and IDU	342	7%	---	562	9%	---	904	8%	---
- Heterosexual Contact	115	2%	---	278	4%	---	393	4%	---
- Pediatric	21	0%	---	9	0%	---	30	0%	---
- Transfusion / Hemophiliac	6	0%	---	38	1%	---	44	0%	---
- No Identified Risk	288	6%	---	432	7%	---	720	7%	---
Female only:									
- Injecting Drug Use	113	2%	---	170	3%	---	283	3%	---
- Heterosexual Contact	483	10%	---	542	9%	---	1,025	9%	---
- Pediatric	29	1%	---	11	0%	---	40	0%	---
- Transfusion / Hemophiliac	7	0%	---	12	0%	---	19	0%	---
- No Identified Risk	88	2%	---	52	1%	---	140	1%	---

All HIV/AIDS surveillance data reported to the Washington State Department of Health as of March 31, 2011.

* Section excludes 15 cases (8 with HIV, 7 with AIDS) for which we do not have information about race or ethnicity.

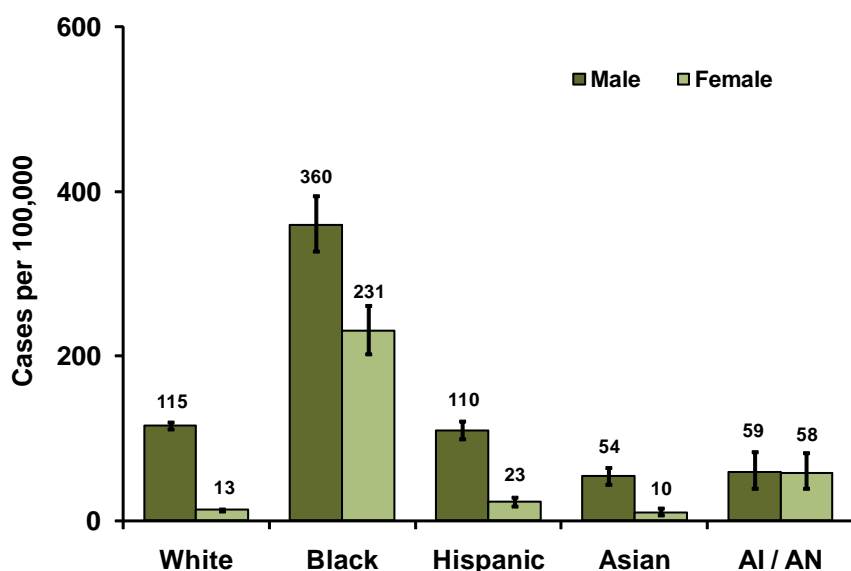
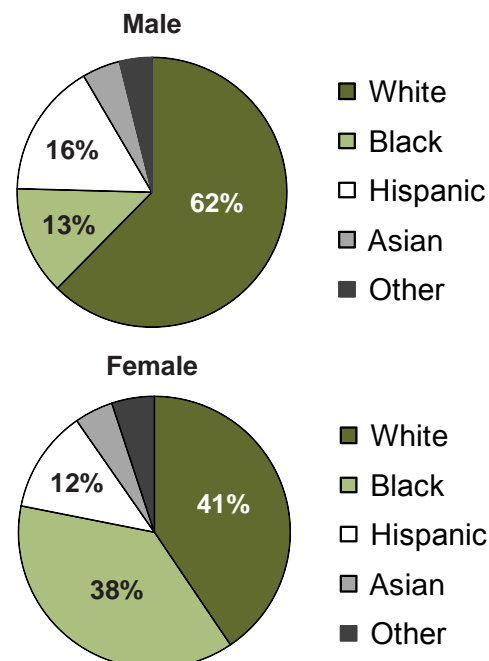
STATISTICS: PEOPLE LIVING WITH HIV (continued)

Table 7. Living HIV Cases* by Exposure Category, Gender and Race/Ethnicity, as of December 31, 2010

Exposure category	White		Black		Hispanic		Asian		American Indian / Alaska Native	
	No.	%	No.	%	No.	%	No.	%	No.	%
Males:										
Male / Male Sex (MSM)	5,160	77%	539	49%	672	65%	183	72%	61	56%
Injecting Drug Use (IDU)	334	5%	101	9%	65	6%	6	2%	13	12%
MSM and IDU	714	11%	65	6%	74	7%	7	3%	21	19%
Heterosexual Contact	136	2%	168	15%	66	6%	13	5%	6	6%
Pediatric	7	0%	16	1%	2	0%	2	1%	1	1%
Transfusion / Hemophiliac	39	1%	3	0%	2	0%	0	0%	0	0%
No Identified Risk	285	4%	219	20%	158	15%	44	17%	6	6%
Total Males	6,675	100%	1,111	100%	1,039	100%	255	100%	108	100%
Females:										
Injecting Drug Use (IDU)	180	26%	59	11%	15	10%	3	5%	23	40%
Heterosexual Contact	438	64%	371	71%	119	77%	44	73%	33	57%
Pediatric	10	1%	22	4%	5	3%	3	5%	0	0%
Transfusion / Hemophiliac	6	1%	9	2%	1	1%	3	5%	0	0%
No Identified Risk	51	7%	62	12%	15	10%	7	12%	2	3%
Total Females	685	100%	523	100%	155	100%	60	100%	58	100%

All HIV/AIDS surveillance data reported to the Washington State Department of Health as of March 31, 2011.

* Table excludes 38 Native Hawaiian and Pacific Islander cases due to small numbers. Also excluded are 119 cases reported as belonging to more than one racial or ethnic group, and 15 cases that are missing any information about race or ethnicity.

Figure 7. Living HIV Case Rates by Race/Ethnicity and Gender, as of December 31, 2010**Figure 8. Living HIV Cases by Gender and Race/Ethnicity, as of December 31, 2010**

STATISTICS: PEOPLE LIVING WITH HIV (continued)

Table 8. People Living with HIV Disease by County and Combined Local Health District (HD), as of December 31, 2010

	HIV (not AIDS)			AIDS			All Cases of HIV Disease		
	No.	%	Rate	No.	%	Rate	No.	%	Rate
Adams Co.	1	0%	---	5	0%	---	6	0%	---
Asotin Co.	6	0%	---	11	0%	---	17	0%	78.3
Benton Co.	31	1%	17.9	66	1%	38.2	97	1%	56.1
Benton-Franklin HD	58	1%	23.3	105	2%	42.3	163	2%	65.6
Chelan Co.	23	0%	31.4	22	0%	30.0	45	0%	61.4
Chelan-Douglas HD	26	1%	23.3	25	0%	22.4	51	0%	45.6
Clallam Co.	19	0%	27.1	24	0%	34.2	43	0%	61.3
Clark Co.	200	4%	45.9	252	4%	57.9	452	4%	103.8
Columbia Co.	0	0%	---	4	0%	---	4	0%	---
Cowlitz Co.	42	1%	42.0	49	1%	49.0	91	1%	91.0
Douglas Co.	3	0%	---	3	0%	---	6	0%	---
Ferry Co.	0	0%	---	1	0%	---	1	0%	---
Franklin Co.	27	1%	35.8	39	1%	51.7	66	1%	87.4
Garfield Co.	1	0%	---	0	0%	---	1	0%	---
Grant Co.	14	0%	16.0	19	0%	21.7	33	0%	37.6
Grays Harbor Co.	21	0%	29.3	33	1%	46.1	54	0%	75.4
Island Co.	22	0%	27.1	29	0%	35.8	51	0%	62.9
Jefferson Co.	9	0%	---	13	0%	44.4	22	0%	75.1
King Co.	2,953	63%	152.7	3,777	61%	195.4	6,730	62%	348.1
Kitsap Co.	74	2%	29.8	117	2%	47.1	191	2%	76.9
Kittitas Co.	3	0%	---	10	0%	---	13	0%	32.1
Klickitat Co.	6	0%	---	3	0%	---	9	0%	---
Lewis Co.	8	0%	---	21	0%	27.8	29	0%	38.4
Lincoln Co.	0	0%	---	2	0%	---	2	0%	---
Mason Co.	37	1%	64.8	58	1%	101.6	95	1%	166.4
NE Tri-County HD	7	0%	---	10	0%	---	17	0%	26.1
Okanogan Co.	8	0%	---	19	0%	46.5	27	0%	66.0
Pacific Co.	12	0%	54.3	8	0%	---	20	0%	90.5
Pend Oreille Co.	1	0%	---	4	0%	---	5	0%	---
Pierce Co.	461	10%	56.6	522	8%	64.1	983	9%	120.7
San Juan Co.	6	0%	---	10	0%	---	16	0%	97.0
Skagit Co.	20	0%	16.8	39	1%	32.7	59	1%	49.5
Skamania Co.	1	0%	---	1	0%	---	2	0%	---
Snohomish Co.	269	6%	37.8	414	7%	58.2	683	6%	96.0
Spokane Co.	167	4%	35.5	256	4%	54.4	423	4%	89.9
Stevens Co.	6	0%	---	5	0%	---	11	0%	---
Thurston Co.	71	2%	28.1	117	2%	46.4	188	2%	74.5
Wahkiakum Co.	1	0%	---	2	0%	---	3	0%	---
Walla Walla Co.	8	0%	---	24	0%	40.3	32	0%	53.7
Whatcom Co.	60	1%	30.7	81	1%	41.4	141	1%	72.1
Whitman Co.	4	0%	---	13	0%	29.8	17	0%	39.0
Yakima Co.	63	1%	26.3	110	2%	46.0	173	2%	72.4
Statewide Total	4,658	100%	69.2	6,183	100%	91.8	10,841	100%	161.0

All HIV/AIDS surveillance data reported to the Washington State Department of Health as of March 31, 2011.

Note: Percentages (%) are rounded to the nearest whole number. Actual values may be less than they appear (e.g. 0.7% = "1%").

STATISTICS: PEOPLE LIVING WITH HIV (continued)

Table 9. Viral Load Test Results (Last 12 Months) among Living HIV Cases, as of December 31, 2010

Viral Load, copies/mL:	Viral Load Results in 2010 (among cases with VL information)			Mean Viral Load copies/mL	Cases with a Viral Load Result in 2010		Total Cases No.
	High VL ≥ 100,000	201 - 99,999	Suppressed VL ≤ 200		No.	% of total	
	%	%	%				
Total	4%	19%	77%	1,384	6,143	57%	10,841
Gender							
Male	4%	19%	77%	1,335	5,271	56%	9,334
Female	3%	22%	75%	1,748	872	58%	1,507
Age at HIV Diagnosis							
< 20	3%	27%	70%	2,186	67	87%	77
20 - 29	6%	42%	52%	3,373	506	66%	770
30 - 39	5%	27%	68%	2,360	1,201	60%	2,013
40 - 49	4%	17%	79%	1,348	2,330	56%	4,166
50 - 59	2%	12%	85%	608	1,554	55%	2,829
60+	1%	9%	90%	363	485	49%	986
Race and Hispanic Origin*							
White	4%	18%	78%	1,247	4,083	55%	7,360
Black	3%	22%	75%	1,518	966	59%	1,634
Hispanic (all races)	3%	21%	76%	1,789	692	58%	1,194
Asian	2%	20%	78%	1,265	192	61%	315
Native Hawaiian / Pacific Islander	10%	17%	73%	5,254	30	79%	38
American Indian / Alaska Native	4%	35%	61%	3,333	103	62%	166
Multiple Race	9%	28%	62%	3,175	74	62%	119
Hispanic only:							
- White	4%	26%	69%	5,863	157	58%	269
- Black	0%	21%	79%	1,595	14	58%	24
- Multiple / Other Race	0%	50%	50%	3,412	12	52%	23
- Unknown Race	2%	19%	79%	1,053	509	58%	878
Exposure Category by Gender							
Male only:							
- Male / Male Sex (MSM)	4%	18%	78%	1,261	3,857	57%	6,719
- Injecting Drug Use (IDU)	5%	23%	71%	1,735	264	50%	524
- MSM and IDU	5%	22%	73%	1,703	514	57%	904
- Heterosexual Contact	5%	16%	79%	2,351	210	53%	393
- Pediatric	0%	25%	75%	765	24	80%	30
- Transfusion / Hemophiliac	4%	13%	83%	422	23	52%	44
- No Identified Risk	3%	16%	81%	1,073	379	53%	720
Female only:							
- Injecting Drug Use	5%	25%	71%	1,970	170	60%	283
- Heterosexual Contact	2%	21%	76%	1,896	587	57%	1,025
- Pediatric	0%	20%	80%	338	30	75%	40
- Transfusion / Hemophiliac	11%	11%	78%	45,767	9	47%	19
- No Identified Risk	3%	28%	70%	1,762	76	54%	140

All HIV/AIDS surveillance data reported to the Washington State Department of Health as of March 31, 2011.

* Section excludes 15 cases for which we do not have information about race or ethnicity.

STATISTICS: PEOPLE LIVING WITH HIV (continued)

Table 10. Viral Load Test Results (Last 12 Months) by County and Combined Local Health District, as of December 31, 2010

Viral Load, copies/mL:	Viral Load Results in 2010			Mean Viral Load	Cases with a Viral Load Result in 2010		Total Cases
	(among cases with VL information)				copies/mL	No.	
	High VL	Suppressed VL					
	≥ 100,000	201 - 99,999	≤ 200				
	%	%	%				
Adams Co.	0%	0%	100%	0	3	50%	6
Asotin Co.	9%	9%	82%	1,309	11	65%	17
Benton Co.	2%	15%	84%	1,161	61	63%	97
Benton-Franklin HD	1%	15%	84%	1,060	106	65%	163
Chelan Co.	4%	46%	50%	1,267	28	62%	45
Chelan-Douglas HD	3%	48%	48%	937	31	61%	51
Clallam Co.	14%	10%	76%	24,915	21	49%	43
Clark Co.	3%	27%	70%	2,910	33	7%	452
Columbia Co.	0%	0%	100%	70	3	75%	4
Cowlitz Co.	11%	22%	67%	84,515	9	10%	91
Douglas Co.	0%	67%	33%	5,115	3	50%	6
Ferry Co.	0%	0%	100%	0	1	100%	1
Franklin Co.	0%	16%	84%	4,491	45	68%	66
Garfield Co.	---	---	---	---	0	0%	1
Grant Co.	0%	26%	74%	1,588	19	58%	33
Grays Harbor Co.	10%	20%	70%	9,638	30	56%	54
Island Co.	9%	9%	82%	2,357	22	43%	51
Jefferson Co.	0%	0%	100%	0	11	50%	22
King Co.	4%	19%	77%	1,344	4,262	63%	6,730
Kitsap Co.	2%	16%	83%	1,187	115	60%	191
Kittitas Co.	0%	0%	100%	0	6	46%	13
Klickitat Co.	0%	100%	0%	9,586	1	11%	9
Lewis Co.	0%	31%	69%	615	16	55%	29
Lincoln Co.	---	---	---	---	0	0%	2
Mason Co.	11%	24%	65%	2,820	55	58%	95
NE Tri-County HD	0%	18%	82%	5,791	11	65%	17
Okanogan Co.	0%	30%	70%	679	10	37%	27
Pacific Co.	13%	0%	88%	660	8	40%	20
Pend Oreille Co.	0%	0%	100%	0	4	80%	5
Pierce Co.	6%	21%	72%	2,644	448	46%	983
San Juan Co.	0%	38%	63%	638	8	50%	16
Skagit Co.	8%	19%	73%	1,421	26	44%	59
Skamania Co.	0%	0%	100%	0	2	100%	2
Snohomish Co.	3%	20%	77%	1,429	349	51%	683
Spokane Co.	2%	20%	78%	1,937	214	51%	423
Stevens Co.	0%	33%	67%	5,791	6	55%	11
Thurston Co.	3%	22%	75%	4,040	131	70%	188
Wahkiakum Co.	---	---	---	---	0	0%	3
Walla Walla Co.	0%	11%	89%	7,107	19	59%	32
Whatcom Co.	14%	14%	72%	9,956	29	21%	141
Whitman Co.	9%	9%	82%	14,113	11	65%	17
Yakima Co.	2%	18%	80%	2,666	121	70%	173
Statewide Total	4%	19%	77%	1,384	6,141	57%	10,841

All HIV/AIDS surveillance data reported to the Washington State Department of Health as of March 31, 2011.

STATISTICS: AIDS CASES AND HIV DEATHS

Table 11. AIDS Cases and Deaths from HIV or AIDS

	Recent AIDS Cases			Cumulative AIDS Cases		Cumulative HIV/AIDS Deaths	
	2006-2010			1982-2010		1982-2010	
	No.	%	Rate	No.	%	No.	%
Total	1,746	100%	5.3	13,100	100%	5,202	100%
Gender							
Male	1,491	85%	9.1	11,826	90%	4,895	94%
Female	255	15%	1.5	1,274	10%	307	6%
Age at AIDS Diagnosis						Age at Death	
< 20	19	1%	0.2	99	1%	17	0%
20 - 29	246	14%	5.3	2,138	16%	451	9%
30 - 39	563	32%	12.8	5,699	44%	2,078	40%
40 - 49	577	33%	11.9	3,600	27%	1,688	32%
50 - 59	259	15%	5.7	1,195	9%	686	13%
60+	82	5%	1.5	369	3%	282	5%
Race and Hispanic Origin							
White	1,007	58%	4.0	9,664	74%	4,261	82%
Black	321	18%	29.1	1,573	12%	431	8%
Hispanic (all races)	245	14%	8.0	1,147	9%	271	5%
Asian	85	5%	4.1	253	2%	60	1%
Native Hawaiian / Pacific Islander	11	1%	0.0	45	0%	14	0%
American Indian / Alaska Native	31	2%	6.4	212	2%	69	1%
Multiple or Unknown Race	46	3%	5.0	206	2%	96	2%
Hispanic only:							
- White	89	5%	3.3	298	2%	115	2%
- Black	6	0%	---	28	0%	11	0%
- Multiple / Other Race	6	0%	---	24	0%	9	0%
- Unknown Race	144	8%	---	797	6%	136	3%
Exposure Category by Gender							
Male only:							
- Male / Male Sex (MSM)	915	52%	---	8,421	64%	3,644	70%
- Injecting Drug Use (IDU)	99	6%	---	841	6%	335	6%
- MSM and IDU	159	9%	---	1,308	10%	540	10%
- Heterosexual Contact	86	5%	---	390	3%	80	2%
- Pediatric	4	0%	---	16	0%	5	0%
- Transfusion / Hemophiliac	4	0%	---	156	1%	90	2%
- No Identified Risk	225	13%	---	694	5%	201	4%
Female only:							
- Injecting Drug Use	55	3%	---	347	3%	109	2%
- Heterosexual Contact	172	10%	---	777	6%	148	3%
- Pediatric	3	0%	---	20	0%	4	0%
- Transfusion / Hemophiliac	1	0%	---	47	0%	24	0%
- No Identified Risk	24	1%	---	83	1%	22	0%

All HIV/AIDS surveillance data reported to the Washington State Department of Health as of March 31, 2011.